

**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL SEARCH REPORT**  
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1003543	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/AU2005/000549</b>	International filing date ( <i>day/month/year</i> ) 18 April 2005	(Earliest) Priority Date ( <i>day/month/year</i> ) 19 April 2004
Applicant UDEN, Robert		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II).

3. ☐ Unity of invention is lacking (See Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000549

## Box No. IV Text of the Abstract (Continuation of item 5 of the first sheet)

A water conditioner having a plate (100) adapted to be located diametrically across a pipe (200) and a number of posts (110) in lines on or generally parallel to the longitudinal axis of the plate (100) and extending from either side thereof, to be close to the periphery of a pipe (200) within which the device is located. There may also be a number of ribs extending from either side of the plate (100) and adjacent the posts (110) to provide a number of discreet paths through the conditioner.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000549

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: C02 1/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI - C02F 1/00, 1/48; F16L 55/+; F15D/+; &amp; Keywords - turbulent+, torturous+, baffle+, plate+, voltage+, electric+, emf, condition+

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4999106 A (SCHINDLER) 12 March 1991 Whole document	1-5
X	WO 1995/008064 A (DEN NORSKE STATS OLJESELSKAP A.S) 23 March 1995 Whole document	1-2
X	US 6701963 B (HILL) 9 March 2004 Whole document	1
X	US 6186179 A (13 February 2001) Whole document	1

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 10 June 2005	Date of mailing of the international search report 20 JUN 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  Tharu Fernando Telephone No : (02) 6283 2486

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000549

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1995/019504 A (ORION SAFETY INDUSTRIES PTY LIMITED) 20 July 1995 Whole document	1
A	US 6482318 B (REICHWEIN ET AL) 19 NOVEMBER 2002 Whole Document	1-12
A	US 4659479 A (STICKLER ET AL) 21 April 1987 Whole Document	1-12

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2005/000549

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	4999106	EP	0352213	JP	2068191	LU	87289
WO	9508064	AU	77113/94	CA	2171828	EP	0719387
		NO	960872	US	5762107		
US	6701963	WO	2004102129				
US	6186179	AU	16880/97	AU	18211/97	AU	24205/97
		AU	26574/97	US	6143108	US	6248852
		US	6294217	US	6319551	WO	9722653
		WO	9722893	WO	9724223	WO	9724635
WO	9519504	AU	14093/95	EP	0746691	US	6047903
US	6482318	AU	28262/01	DE	10005907	EP	1232119
		WO	0138226				
US	4659479	NONE					
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							